

# APPENDIX D

## Peer Review Log

## GISST Peer Review Log

The following is a rough timeline of GISST activities since its inception in 1996. In addition, Figure D-1 shows the locations of projects that used GISST.

1996	Regional Administrator (Saginaw) requests some way of assessing the impacts of multiple CAFOs
1997	CRIA developed with in-house expertise Roll out to get industry and citizen group comments
1997	Initial development and review of criteria by internal experts Presented at Conference on Environmental Decision-making (San Antonio)
3/14/97	Presentation to Sherri Goodman (Undersec Env. Security) on GIS Screening models
4/25/97	Procurement Request for GIS services for Federal Facilities Project
4/30/97	Formulation of objectives and letter asking for R6 workgroup members for Federal Facilities Project
5/22/97	Memo requesting members from each Division for Federal Facilities Project
5/28/-6/5/97	Notification of Division reps to workgroup for Federal Facilities Project (FRIA)
7/10/97	R6 Workgroup: Criteria development meeting
7/14/97	Email asking for review of FRIA methodology draft
9/3/97	Presentation on FRIA methodology to Federal Facilities Community, informal request for comments
12/5/97	Second Draft FRIA methodology for review
1998	CRIA applied to several NPDES New Source permits for CAFOS Environmental Assessments. FNSI's are not signed until company agrees to further water monitoring (based on red flags identified by CRIA process)
1/6/98	Presentation to Federal Facilities Community at EJ/TRI meeting, 2 <sup>nd</sup> request for

comments

7/14/98	Letter to Sherri Goodman (DOD) requesting comments on FRIA methodology
8/18/98	Start calculation of FRIA scores using GIS
9/18/98	FRIA Degree of Vulnerability results
10/31/98	Draft Report of FRIA results for DOD/DOE facilities
11/10/98	Request for comments on FRIA results report
12/4/98	Meeting with DOD to present FRIA methodology and calculations in FRIA report. Request for comments on FRIA methodology. Based on comments in this meeting, several new criteria were suggested
1/6/99	Development of additional criteria. Production of Impact “blanks” for DOD verification
2/23/99	Revision of FRIA criteria to include P2 & energy criteria
2/25/99	R6 staff review revised criteria
5/13/99	Presentation to Federal Facilities community of FRIA report results, request for comments
6/14/99	OIG Report No 1999-P-209
8/31/99	FRIA methods/results presentation to DOD
11/2/99	Presentation to Fort Polk
11/24/99	Meeting to discuss further action by DOD on FRIA
12/10/99	Presented FRIA as an additional tool for Pollution Prevention Partnership
10/1999	CAFO CRIA Conceptual Model
9/2000	Project w/ Ft. Polk effectively ends due to attenuation. EPA notes violations of nitrates in CAFO monitoring wells in OK and initiated enforcement actions

2000	OSU student project using CRIA (including habitat fragmentation portion)
1/21/00	Videoconference with HQ EPA & Pentagon to discuss DOD further participation
6/21/00	Conference call w/Ft Bliss, Ft Polk to discuss pilot/ refinement
8/2000	SMU Peer Review of EJ index
2001	<p>Lantana peer review panel provides several recommendations based on review of CRIA and HRI products</p> <p>Interest by staff working with COE (Jana Harvill) and transportation (Dominique Lueckenhoff)</p> <p>EN-XP committee established to determine a process for updating and refining CRIA</p> <p>Based on EN-XP feedback, the decision is made to go with a more general acronym (GISST)</p> <p>CRIA/GISST marketed to COE, but because of their organization, interest wanes.</p>
1/2001	Innovations Award Submission
1/2001	Environmental Monitoring and Assessment Journal Article
3/2001	GISST marketed heavily to transportation community. FHWA and TxDOT contract with EPA to provide GISST data for IH69
4/2001	OFA NEPA-GIS workshop–GISST presented along with other regional tools (Regions 2 and 4) EPA Region 6 is considered on the cutting edge of the development of geospatial tools (along with Regions 4 and 5)
5/2001	Baylor University does study of GIS data for N. Bosque
8/2001	Meeting with FWS to introduce GISST and determine interest
9/2001	Lantana Peer review panel evaluates Mustang-Tuttle and enforcement Targeting projects
11/2001	OFA GIS technical conference
2002	Work on updating the “CRIA data criteria library,” to address the Lantana peer

review panel comments, begins ultimately resulting in the GISST User's Manual: involves standardizing criterion descriptions and math, verifying references and databases, requesting review by listed contacts for each criteria, separating out "final" from "provisional" criteria, developing case studies, factsheets, and other marketing products (miniposters, tutorial, and CD).

2002	Internal EPA expert review of criteria to determine updates
5/2002	IH69 General Engineering Contractors Meeting to present GISST method and results
6/2002	Presentation of GISST and ORD/Regional Critical Ecosystem Workshop, Keystone CO
9/2002	Presentation to OPEI
12/2002	Presentation to Pecora Conference, Denver CO
2/2003	GISST Users Manual Revision/review of criteria
3/2003	GISST Users Manual Final
4/2003	Presentation of GISST and results to LBJ National Historic Site, Austin, TX, San Antonio Missions, San Antonio, TX, and Padre Island National Seashore.
5/2003	Presentation of GISST to DOI Conference on the Environment, Pheonix, AZ
6/2003	EPA-State Environmental Innovation Symposium, DC
6/2003	GISST Users Manual Update
7/2003	GISST Users Manual Animated ppt demo
11/2003	Presentation of GISST method and results to IH69 Technical Advisory Committee/Steering Committee meeting
12/2003	Presentation toOEI National Meeting, Phoenix, AZ
5/2004	GISST Users Manual Update
5/2004	Submission of GISST for SAB review

6/2004	Presentation to FHWA 2004 Environmental Conference, Alexandria, VA
6/2004	Presentation of TEAP and GISST to North Texas Association of Environmental Professionals, Dallas
7/2004	Collaborations visit by EPA Chief of Staff McKeown, Dallas
8/2004	Presentation of TEAP/GISST results to IH69 Technical Advisory Committee/Steering Committee meeting
2/2005	Briefing to new R6 Division Director
3/2005	Texas Ecological Assessment Protocol results incorporated into GISST
9/2005	Technology Transfer Agreement with TXDOT to transfer GISST technology
10/2005	Revision of GISST User's Manual, update of case studies
10/2005	Seminar on TEAP and GISST at Baylor University
11/2005	Presentation to Green Highways Initiative College Park, MD

Source: EPA Region 6  
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Figure D-1. Locations where GISST has been applied.